# *Mr. Michael B. Ward*

*Research and development in the area of acoustic and ultrasonic properties of microstructures and condensed phases of the solid state, condensed matter and quantum liquids.*

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**Licensing information**

For information on licensing INL technologies such as those developed by Mr. Ward, contact the Lead Account Executive for Industrial Processing and Manufacturing:

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**Education:** Mr. Michael Ward studied industrial technology/mechanical design (non-degreed) at the University of Idaho; and at Ricks College (1964-67).

**Work experience:** Mr. Ward has worked at the Idaho National Laboratory since 1968 as a draftsman, checker, design engineer, senior engineer, and currently works as a consulting technical specialist.

**Professional endeavors:** Mr. Ward's interests are in mechanical component and system design; prototype development; electro-mechanical design and packaging; fabrication and materials applications; and computer-aided design and drafting.

**Patents:**

U.S. Patent No. 4,850,693 – Compact Portable Diffraction Moire Interferometer

U.S. Patent No. 5,003,600 – Diffraction Gratings Used As Identifying Markers

U.S. Patent No. 5,016,951 – Fiber Optic Diffraction Grating Maker

U.S. Patent No. 5,279,166 – Floating Biaxial Load Fixture

U.S. Patent No. 5,349,442 – Hand Held Diffraction Moire Interferometer

U.S. Patent No. 5,598,738 – Load Apparatus and Method for Bolt-Loaded Compact Tension Test Specimen